ABSTRACT OF THE DISCLOSURE

Disclosed is a method applicable to third generation, wireless, mobile access IP-based data networks supporting IETF proposed Mobile IP support standards. The method reduces the end-to-end packet latency, jitter and packet loss that occur when the communication link between a mobile node and the network is handed-off from one local agent or router to another. The method greatly reduces the time necessary to establish a new network data route between the mobile node and a correspondent node during the hand-off from one agent/router to another by predicting the mobility of the mobile node, predetermining when the hand-off will occur, and establishing the new data route in advance of the hand-off.